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TITLE: **THERMAL** RECORDING MATERIAL

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ABSTRACT:

PURPOSE: To obtain a high-reliability, high-sensitivity **thermal recording** material which is free from decoloring of a coloring portion and coloring of a ground portion even if brought into contact with a plasticizer, oil and water, by providing a protection layer mainly consisting of basic **zirconium** compound and water soluble resin having a given functional group on a **thermal** coloring layer.

CONSTITUTION: A **thermal** coloring layer mainly containing leuco dye and developer is placed on a supporter and on which a protection layer consisting of basic zirconium compound and water soluble resin is provided. The water soluble resin contains at least one functional group selected from a group of carboxyl, hydroxyl, amino, amide, imino and imido groups. The basic zirconium compound is preferably zirconylammonium carbonate, the water soluble resin is, e.g., polyvinyl alcohol, starch and its derivative, methoxycellulose, polyacrylamide, casein, polyethylenimine and polyethylenamine. The weight ratio of basic zirconium compound to water soluble resin is preferably $1.5 \pm 0.1 : 1$.

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